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EUROPEAN PATENT APPLICATION

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(11)

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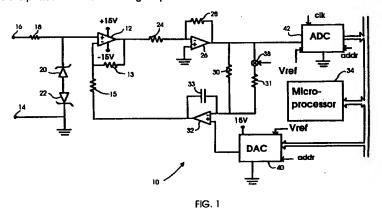
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(54) Method and apparatus for phase related cardiac defibrillation

(57) An implantable cardioverter/defibrillator and method for its use are disclosed. A sensing electrode (14, 16) provides an ECG signal to the defibrillator, this signal is amplified (12, 26) and evaluated for the presence of a tachyarrhythmia. The phase of the ECG signal is sensed during a detected fibrillation or tachycardia and this determines the phase of the stimulating output

signals. The ECG may be continously sensed during the application of the defibrillating output and each output is held constant until a threshold crossing of the ECG is detected, whereupon the defibrillating output is changed





PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 94 11 2555 shall be considered, for the purposes of subsequent proceedings, as the European search report

Category	Citation of document with of relevant p	indication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)
A		RDIAC PACEMAKERS, INC.)	1-7, 12-14,	A61N1/39
	* the whole docume	nt *	17-21	
A	US 4 967 747 A (VEI	NTRITEX, INC.)	1,2,5-7, 9,10,13, 14,16, 20,21	
	* the whole documen	nt *	20,21	
A,P	EP 0 589 251 A (CAI	RDIAC PACEMAKERS, INC.)	1,3,7,8, 13,15, 18-20	i 6
	* column 4, line 5	- column 9, line 30 *	10-20	
				TECHNICAL FIELDS
				SEARCHED (Int.Cl.6) A61N
	MPLETE SEARCH			
The Searc the provis out a mea Claims se	th Division considers that the presentions of the European Patent Conven	t European patent application does not comp tion to such an extent that it is not possible rt on the basis of some of the ciains.	ily with to carry	
Claims no	K searched:			
Reason for	r the limitation of the search:			
see	sheet C		:	
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	3 April 1997		ercier, D
X : part Y : part docu	CATEGORY OF CITED DOCUMENTS T: theory or principle underlying E: earlier partent document, but ster the filing date particularly relevant if combined with another socument of the same category technological background T: theory or principle underlying E: earlier patent document, but ster the filing date D: socument cited in the applica L: document cited for other reass		ocument, but publi date in the application for other reasons	shed on, ar
0	-written disclosure	& : member of the		



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EP 94 11 2555 - C -

INCOMPLETE SEARCH

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.

Claims searched completely:

1-21

Claims searched incompletely:

Claims not searched:

22-27

Reason for the limitation of the search: Method for treatment of the human or animal body by surgery or therapy (see Art. 52(4) of the European Patent Convention).

EPO Form

Supplementary Sheet C (1996)